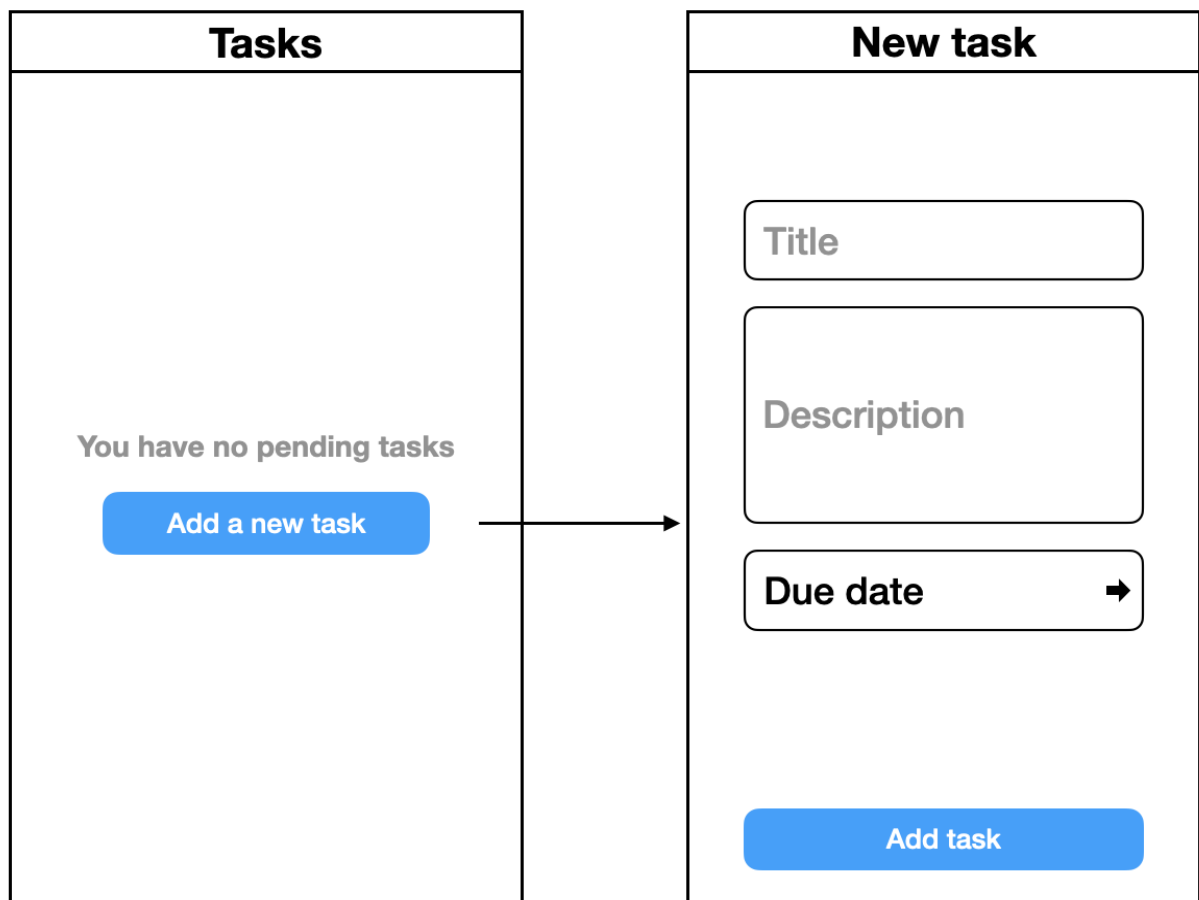
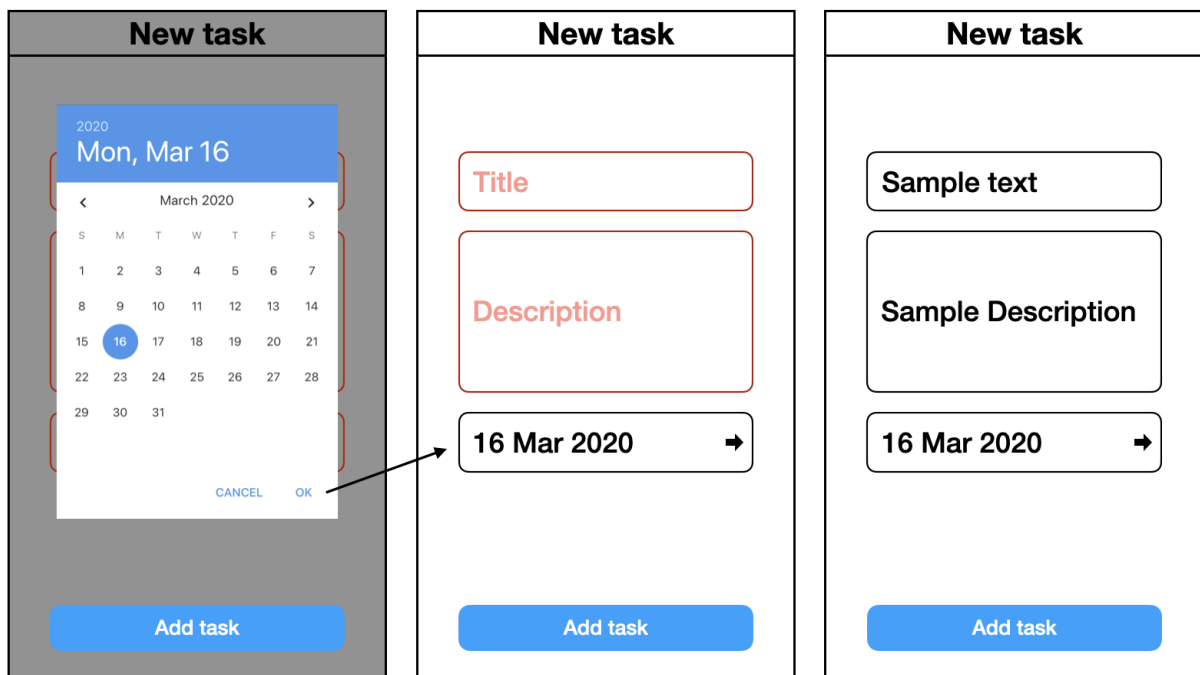
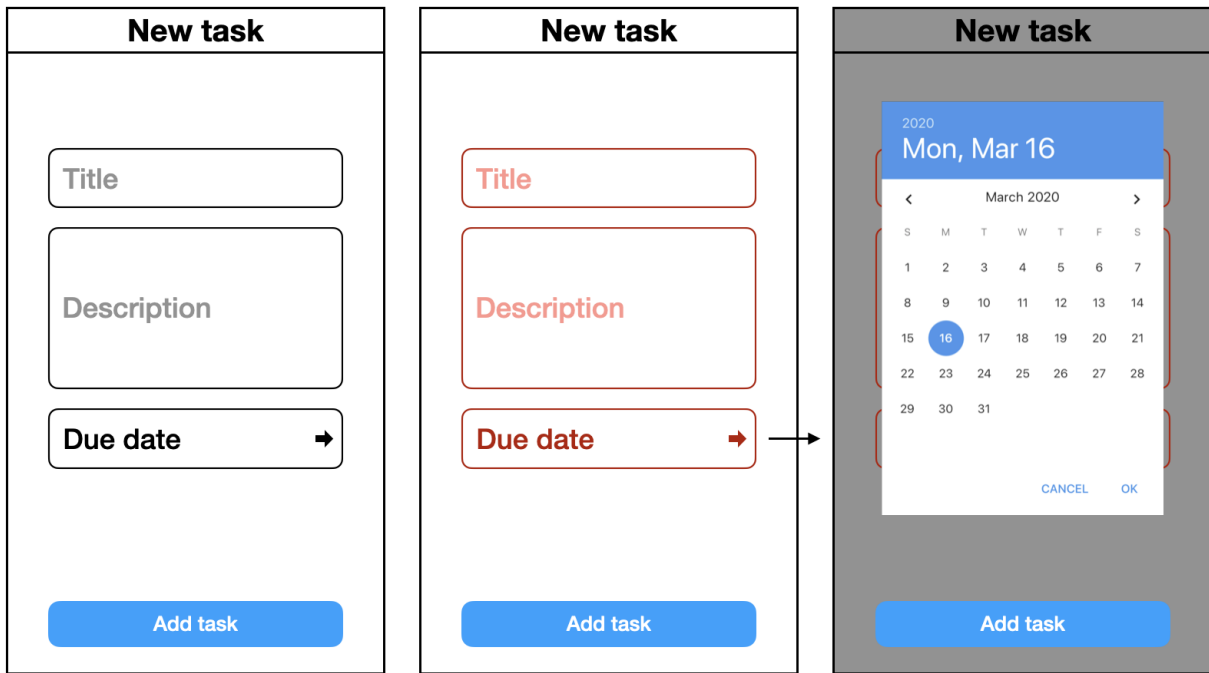


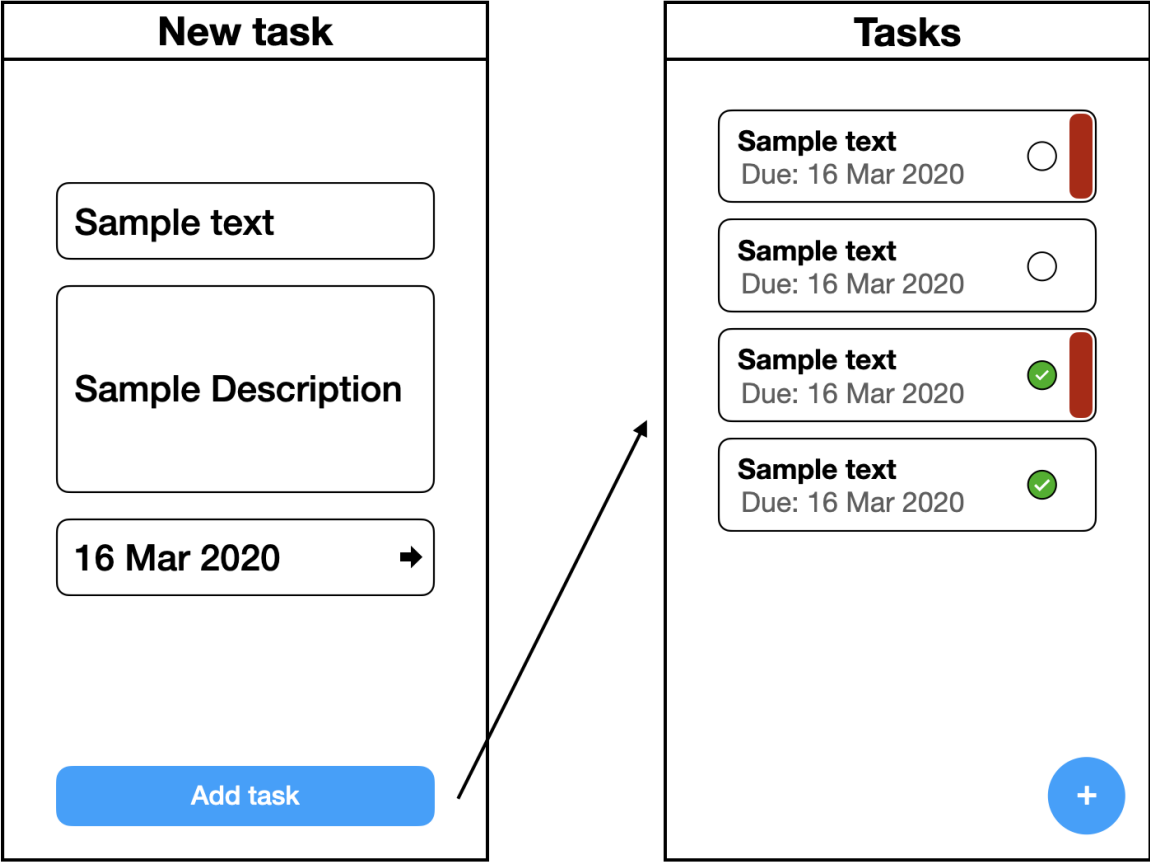
**CSE 450 - Mobile App Development**  
**Assignment 04**  
**Deadline - Sunday 27th February 2022 11:59 PM**

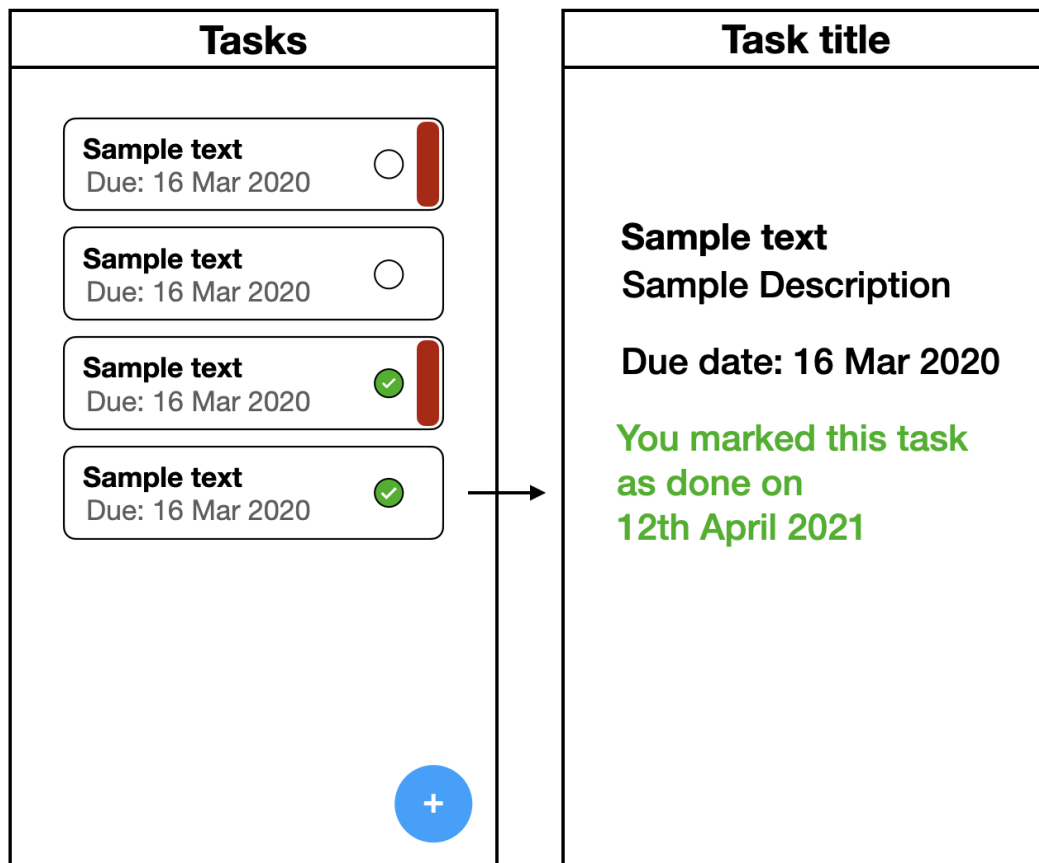
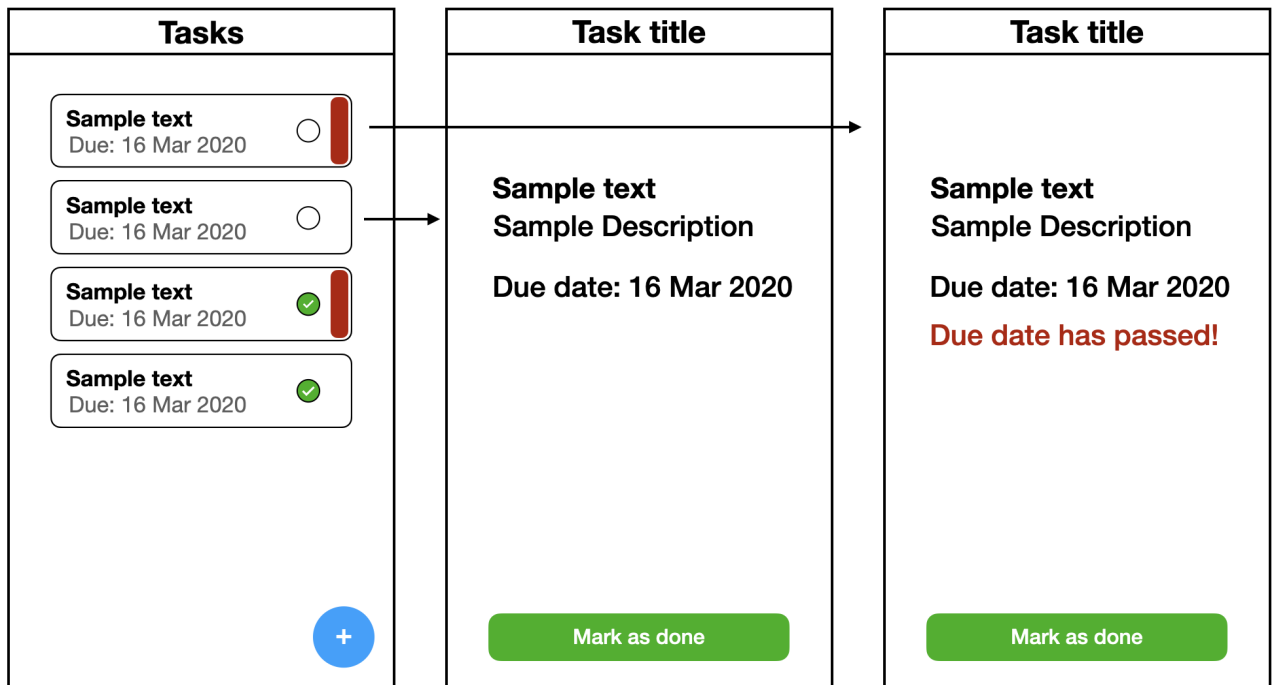
*Please read the assignment carefully first, the screens below only show a general idea. Specific instructions regarding the flow of the screens are given below.*

***You need to create a tasks application***









### Screen one:

The list screen where all your added tasks will appear. This screen should show a text stating that you don't have any pending tasks along with a button as shown in the first screenshot. After you add a task, the screen should show the items added in a list and a floating button in the bottom. So, the list screen and the first empty screen are the same screens actually.

#### A few things to consider:

- The list items should show a red banner as shown in the screenshot if the due date of this particular task has passed.
- The list should show all the done items at the end.
- The list should be sorted by the closest due date. Means the item at the top should be the one whose due date is the nearest to today.
- You can tap on the round icon inside any item and it should mark the item as done.
- Once done, it should show the round icon as green and should move to the bottom of the list with other done items.

**How to test the red banner during development:** Select a date before today's date, and it should appear red. Select a date after today's date, and the red banner should not appear.

### Screen two:

The task addition screen is simple, two fields in which you can enter the title and description of the task. There is one tricky thing here, you need to get the date as a user input. You need to get your googling skills together for this. Hint: It's pretty similar to the way we implemented the dialog box in the last assignment.

**NOTE:** If I press the "Add task" button without entering anything in the fields, or without selecting the date, it should not allow me to proceed and should show the fields as red.

### Screen three:

This is the task detail screen. Whenever you tap on a task, it takes you to a screen which shows the details of the task (whatever you took as input in the create screen). This screen has different conditions:

- You can mark a task as done using the "Mark as done button".
- If the task is marked as done, the details screen should not show the "Mark as done button", it should show the green text as shown in the screenshot. The green text has a date which should be the date when the task was marked as done.
- If the task's due date has passed, it should show the red text as shown in the screenshot.
- The task can be marked as done even if its due date has passed.

### Things to use:

You need to use Provider for state management

And everything we studied in the class till now including classes, listviews, navigation, text fields, and callbacks in some cases if you want.

***How to Submit:***

Compress your working project folder (whole folder) into a zip file and upload it on LMS assignment submission. If the folder size is creating problems, put the zip folder to drive, and share the link in LMS submission.